

Prof. Dr. Klement TOCKNER**Curriculum Vitae**

Office: Department of Aquatic Ecology
 Swiss Federal Institute for
 Environmental Science and Technology (Eawag)
 Box 611
 8600 Dübendorf
 Switzerland
 Tel. +41 (0)44 823 5616 / Fax +41 (0)44 823 5315
 E-mail: klement.tockner@eawag.ch
 Web: www.eawag.ch/~tockner

Home: Friedenstrasse 10
 CH-8400 Winterthur
 Tel. 052 242 0369

Date of birth: November 01, 1962, in Schöder, Austria
Citizenship: Austrian
Marital status: Married, 2 children: Fanny (1999) and Lilly (2000)
Languages: German, English, French, Italian

**Present Professional Positions**

- Professor** (Titulary Professor): Department of Environmental Sciences at Swiss Federal Institute of Technology (ETH)
- Head:** Research group "Floodplain Ecology and Biodiversity" at department of Aquatic Ecology (Eawag)
- Coordinator:** Interdepartmental group "Sustainable Management of Aquatic Ecosystems" (Eawag)
- Director:** International Tagliamento Research Project and Field Research Station
- Co-Editor-in-Chief:** Aquatic Sciences

Publication Record (AS JUNE 2006)

Total number of publications (incl. <i>in press</i>)	123
Books and Special Issue	2
ISI-listed publications (incl. <i>in press</i>)	57
Book chapters and other peer-reviewed (incl. <i>in press</i>)	28
Other publications (incl. <i>in press</i>)	36
Total number of citations (ISI)	1,118
<i>h</i> – factor	21*
(* i.e. 21 papers have been cited at least 21 times each)	

Research Grants

Active/total (granted/pending) 1.04 Mill SFR/ 2.18 Mill SFR (since 19997)

Present Teaching Activity

ETH: 2 lectures, 2 courses, 1 excursion, 1 seminar

University Vienna: Postgraduate course in Limnology

Awards and Professional Recognition

Associate Editor: Ecosystems, Archiv für Hydrobiologie Supplement Large Rivers

Honoraria: Reinhard Liepolt Award for Danube Research; several additional honoraria

Keynote Lectures (since 2003): 14 at international conferences

Listed as **most cited Freshwater Ecologist** (1999-2002) in Central Europe (Germany, Austria, Switzerland)

Member of the **Executive Committee** of the North American Benthological Society, the Swiss Society for Limnology and Hydrology, the International River Society, and the Forum Biodiversity Switzerland

PhD student awards (S. Langhans, M. Doering and A. Paetzold: Peterson Fund Award (3x), NABS Award for best student presentation (1x), Silver Medal of ETH for best PhD thesis (1x))

Major Research Areas

Landscape and community ecology, floodplain and wetland ecology, biodiversity research, ecology of interfaces, organismic ecology, ecohydrology

Conservation and restoration ecology, evaluating environmental flow requirements, assessing ecosystem services

Professional Positions

- since 2006 **Co-Editor-in-Chief:** Aquatic Sciences
- since 2005 **Professor** (Titulary Professor): Aquatic ecology at the Swiss Federal Institute of Technology (ETH), Institute of Integrative Biology
- since 2005 **Coordinator:** Interdepartmental group “Sustainable Management of Aquatic Ecosystems” (Eawag)
- since 1999 **Senior Researcher and Group Leader “Floodplain Ecology and Biodiversity”** at the Department of Aquatic Ecology, EAWAG, Dübendorf
- since 1999 **Director:** International Tagliamento Research Project (Italy)
- 2006 (May/June) **Guest Scientist** at the Institute of Ecosystem Studies (IES), NY, USA
- 2004 - 2005 **Guest Scientist** at the Institute of Ecosystem Studies (IES), NY, USA
- 2002 **Guest Scientist** at the Tohoku University, Sendai, Japan
- 2001 **Guest Scientist** at the University of Montana (Flathead Biological Station), USA
- 1996 - 1999 **Assistance Professor** (Oberassistent) at the Swiss Federal Institute of Technology (ETH), Zürich
- 1994 - 1996 **Scientific Co-ordinator** of the Danube Restoration Project, Univ. of Vienna
- 1994 - 1997 **Lecturer** at the University of Vienna, Institute of Zoology
- 1993 - 1994 **Limnology-Consultant**, Rwanda and Uganda (Austrian Ministry of Foreign Affairs)
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- Ph.D. (1993) University of Vienna, Institute of Zoology and Institute of Limnology and Austrian Academy of Sciences, Lunz am See, Austria
- Thesis: “*Ein Beitrag zur Ökologie der Uferbereiche der Donau*” (principal supervisor: Prof. G. Bretschko, Austrian Academy of Sciences, Lunz/See)

Publications

I. Book and Special Journal Issue

- 1 Tockner, K., Ward, J.V., Kollmann, J. and Edwards, P.J. (eds, 2002) **Riverine Landscapes**. *Freshwater Biology* 47: 497-907.
- 2 Tockner, K., Robinson, C.T. and Uehlinger, U. (eds, 2007) **Rivers of Europe**. Elsevier Publisher.

II. Referred Journals and Book Chapters

In Review

1. Karaus, U., Guillon, H. and Tockner, K. The contribution of lateral habitats to biodiversity along river corridors. **Conservation Biology**. In review.
2. Langhans, S.D., Tiegs, S.D., Gessner, M. and Tockner, K. Leaf decomposition heterogeneity in a complex floodplain mosaic. **Oecologia**. In review.
3. Paetzold, A., Yoshimura, C. and Tockner, K. Differential effects of flow regulation and channel regulation on riparian arthropod diversity and density. **Ecological Applications**. In review.
4. Yoshimura, C., Gessner, M., Furumai, and Tockner, K. Chemical characterization, microbial respiration, and decomposition of fine particulate organic matter (FPOM) in streams. **Freshwater Biology**. In review.
5. Yoshimura, C., Omura, T., Fujii, M. and Tockner, K. Release of DOM from fine and coarse particulate organic matter. **Biogeochemistry**. In review.
6. Döring, M., Uehlinger, U. and Tockner, K. The influence of surface-subsurface water exchange on ecosystem processes along a braided corridor of a large gravel-bed river: Large scale versus small scale. **Journal of the North American Benthological Society**. In Review.
7. Tockner, K., Findlay, S., Langhans, S., Trottmann, N. and Gurnell, A.M. Mass dispersal of terrestrial invertebrates along river corridors. **Oikos**.
8. Lorang, M., Stanford, J.A., Hauer, F.R., Gonser, T., Tockner, K. and Whited, D.C. The fundamental hydro-geomorphic complex of alluvial rivers: Theory and application. **Science**. In review.

In Press

10. Tockner, K., Bunn, S.E., Quinn, G., Naiman, R., Stanford, J.A. and Gordon, C. 2007. Floodplains: Critically threatened ecosystems. In: Polunin, N.C. (eds), **The State of the World's Ecosystems**. Cambridge University Press. In press.
11. Coops, H., Tockner, K., Amoros, C., Hein, T. and Quinn, G. 2006. Science-based management of large river-floodplains. In: Verhoeven, J.T.A., Beltman, B., Bobbink, R. and D.F. Whigham (eds) *Wetlands as a natural resource*. Volume 1. **Wetlands and Natural Resource Management**. Ecological Studies Vol AAA. Springer, Berlin. In press.

12. Döring, M., Uehlinger, U., Schläpfer, D., Rotach, A. and Tockner, K. Large-scale expansion and contraction dynamics along an unconstrained Alpine alluvial corridor (Tagliamento River, northeast Italy). **Earth Surface Processes and Landforms**. In press.
13. Hein, T., S. Preiner, F. Schiemer and K. Tockner. 2006. Limnological concepts as the basis to understanding river networks: Perspectives for the Danube. **Archiv für Hydrobiologie Supplement Large Rivers**. In press.
14. Langhans S.D., Tiegs S.D., Uehlinger U. and K. Tockner. 2006. Environmental heterogeneity controls organic-matter dynamics in river-floodplain ecosystems. **Polish Journal of Ecology**. In press.
15. Paetzold, A., Sadler, J., Langhans, S.D., Findlay, S. and K. Tockner. 2006. Aquatic-terrestrial interactions along riparian corridors. In: P.J. Wood, D.M. Hannah, J.P. Sadler (eds). **Hydroecology and Ecohydrology: Past, Present and Future**. Wiley. In press.
16. Reichert, P. M. Borsuk, M. Hostmann, S. Schweizer, C. Spörri, K. Tockner and B. Truffer. 2006. Concepts of decision support for river rehabilitation. **Environmental Software and Modelling**. In press.
17. Tiegs, S.D. Langhans, S.D. Tockner, K. and Gessner, M.O. 2006. Cotton strips as a surrogate of leaf litter decomposition in river-floodplain habitats. **Journal of the North American Benthological Society**. In press.
18. Yoshimura, C., Tockner, K., Omura, T. and Moog, O. 2006. Species diversity and functional assessment of macroinvertebrates in Austrian rivers. **Limnology**. In press.

2006

19. Tockner, K., Karaus, U., Paetzold, A., Claret, C. and Zettel, J. 2006. Ecology of braided rivers. In: G. Sambrook Smith, J. Best, C. Bristow and G. E. Petts (Eds). **Braided Rivers**. IAS Special Publication. Blackwell Publisher.
20. Tockner, K., Klaus, I., Baumgartner, C. and Ward, J.V. 2006. Amphibian diversity and nestedness in a dynamic floodplain ecosystem (Tagliamento, NE Italy). **Hydrobiologia**. 565: 121-133.
21. Goetze, D., Karlowski, U., Porembski, S., Riede, K., Tockner, K. and Watve, A. 2006. Spatial and temporal biodiversity dynamics. In Barthlott et al. (eds) **Biodiversity**. Encyclopedia of Life Support Systems.
22. Langhans, S. D. and K. Tockner. 2006. The role of timing, duration, and frequency of inundation in controlling leaf-litter decomposition in a river-floodplain ecosystem (Tagliamento, NE Italy). **Oecologia**. 147: 501-509.
23. Malard, F., Uehlinger, U., Zah, R., and Tockner, K. Flood pulses and riverscape dynamics in a braided glacial river. **Ecology**. 87: 704-716
24. Nakamura, K., Tockner and K. Amano. River and wetland restoration: Lessons from Japan. **BioScience**. 56: 419-429.
25. Nakamura, K., Tockner and K. Amano. Restoration: European perspectives and lessons for Japan. **Ecol. Civil. Eng.** 8: 201-214. (in Japanese with English abstract).
26. Paetzold, A. Bernet, J. and Tockner, K. 2006. Rapid response of riparian arthropods to aquatic subsidy pulses. **Freshwater Biology**. 51: 1103-1115.

2005

27. Arscott, D.B., Tockner, K. and Ward, J.V. 2005. Lateral organization of aquatic invertebrates along the continuum of a braided floodplain river. **Journal of the North American Benthological Society**. 24: 934-954.
28. Gurnell, A.M., Tockner, K., Edwards, P.J. and G. Petts 2005. Effects of deposited wood on biocomplexity of river corridors. **Frontiers in Ecology and Environment**. 3: 377-382.
29. Karaus, U., Alder, L. and Tockner, K. 2005. Concave islands: Diversity and dynamics of parafluvial ponds in a gravel-bed river. **Wetlands**. 25: 26-37.
30. Jansson, R., Backx, H., Boulton, A.J., Dixon, M., Dudgeon, D., Hughes, F.M.R., Nakamura, K., Stanley, E.H. and Tockner, K. 2005. Stating mechanisms and refining criteria for ecologically successful river restoration: a comment on Palmer et al. (2005). **Journal of Applied Ecology** 42: 218-222.
31. Paetzold, A., Schubert, C. and Tockner, K. 2005. Aquatic-terrestrial linkages along a braided river: Riparian arthropods feeding on aquatic insects. **Ecosystems**. 8: 748-759.
32. Paetzold, A. and Tockner, K. 2005. Quantifying the effects of riparian arthropod predation on aquatic insect emergence. **Journal of the North American Benthological Society**. 24: 395-402
33. Yoshimura, C., Omura, T., Furumai, H. and Tockner, K. 2005. Present state of rivers and streams in Japan. **River Research and Application** 21: 93-112.

2004

34. Fujii, M. Yoshimura, C., Tockner, K. and Omura T. 2004. Dissolved organic matter (DOM) formation from particulate organic matter (POM) in headwaters (in Japanese). **Environmental Engineering Research**. 40: 139-149.
35. Kaiser, E., D. B. Arscott, K. Tockner and B. Sulzberger. 2004. Sources and distribution of organic carbon and nitrogen in the Tagliamento River, Italy. **Aquatic Sciences** 66: 103-116.
36. Nakamura, K. and Tockner, K. 2004. **River and wetland restoration in Japan**. pp. 211-220. In: 3rd European Conference on River Restoration. River Restoration 2004, Zagreb, Croatia, 17-21 May 2004.
37. Robinson, C.T., Tockner, K. and Burgherr, P. 2004. Macroinvertebrate drift benthos relationships in the seasonal colonization dynamics of Alpine streams. **Archiv für Hydrobiologie** 160: 447-470.

2003

38. Tockner, K. et al. 2003. The Tagliamento River: A model ecosystem of European importance. **Aquatic Sciences** 65: 239-253.
39. Tockner, K. and Malard, F. 2003. Channel typology. - In: Ward, J. V. and Uehlinger, U. (eds.), **Ecology of a glacial flood plain**. Kluwer, pp. 57-73.
40. Tockner, K., Illi, R., Malard, F. and Uehlinger, U. 2003. Nutrient dynamics. - In: Ward, J. V. and Uehlinger, U. (eds.), **Ecology of a glacial flood plain**. Kluwer, pp. 91-107.
41. Tockner, K., Robinson, C. T. and Burgherr, P. 2003. Drift and colonization dynamics. - In: Ward, J. V. and Uehlinger, U. (eds.), **Ecology of a glacial flood plain**. Kluwer, pp. 243-256.

42. Arscott, D.B., K. Tockner and J.V. Ward. 2003. Spatio-temporal patterns of benthic invertebrates along the river continuum of a braided Alpine river. **Arch.Hydrobiol.** 158: 431-460.
43. Arscott, D.B., B. Keller, K. Tockner and J.V. Ward. 2003. Habitat structure and Trichoptera diversity in 2 headwater flood plains, N.E. Italy. **International Revue of Hydrobiology** 88: 255-273.
44. Burgherr, P., Klein, B., Robinson, C. T. and Tockner, K. 2003. Surface zoobenthos. - In: Ward, J. V. and Uehlinger, U. (eds.), **Ecology of a glacial flood plain**. Kluwer, pp. 153-173.
45. Fujii, M. Yoshimura, C., Tockner, K. and Omura, T. 2003. DOM formation from POM in streams. **Geochimica et Cosmochimica Acta** 67: A107 Suppl. 1.
46. Robinson, C. T., Burgherr, P., Malard, F., Tockner, K. and Uehlinger, U. 2003. Synthesis and perspectives. - In: Ward, J. V. and Uehlinger, U. (eds.), **Ecology of a glacial flood plain**. Kluwer, pp. 257-269.
47. Van der Nat, D., K. Tockner, P.J. Edwards, and J.V. Ward. 2003. Large wood dynamics of complex Alpine river flood plains. **Journal of the North American Benthological Society**. 22: 35-50.
48. Van der Nat, D., Tockner, K., Edwards, P.J., Ward, J.V. and Gurnell, A.M. 2003. Habitat change in braided rivers (Tagliamento, NE-Italy). **Freshwater Biology** 48: 1799-1812.

2002

49. Tockner, K. and Stanford, J.A. 2002. Riverine floodplains: present state and future trends: **Environmental Conservation** 29: 308-330. Invited paper.
50. Tockner, K., Ward, J.V., Edwards, P.J. and Kollmann, J. 2002. Riverine landscapes: an introduction. **Freshwater Biology** 47: 497-500.
51. Tockner, K., Malard, F., Uehlinger, U. and J.V. Ward. 2002. Nutrients and organic matter in a glacial river–floodplain system (Val Roseg, Switzerland). **Limnology and Oceanography** 47: 266-277.
52. Arscott, D.B., Tockner, K. and Ward, J.V. 2002. Geomorphic dynamics along a braided-river corridor in the Alps (Fiume Tagliamento, NE Italy). **Ecosystems** 5: 802-814.
53. Arscott, D.B., Glatthaar, R., Tockner, K. and Ward, J.V. 2002. Larval black fly distribution and diversity along a braided floodplain river in the Alps (Tagliamento River, Italy). **Internationale Vereinigung für Theoretische und Angewandte Limnologie**. 28: 524-531.
54. Claret, C., Ward, J.V. and Tockner, K. 2002. Temperature heterogeneity of interstitial water in island-associated water bodies of a dynamic flood plain. **Verh. Internat. Verein. Limnol.** 28: 345-351.
55. Malard, F., Tockner, K. and Uehlinger, U. 2002. Glacier meltwater as a source of iron in an Alpine river-floodplain system. **Verh. Internat. Verein. Limnol.** 28: 134-139.
56. Malard, F., Tockner, K. Dole-Olivier, M.-J. and J.V. Ward. 2002. A landscape perspective of surface-subsurface hydrological exchanges in river corridors. **Freshwater Biology** 47: 621-640. Invited paper.
57. Robinson, C.T., Tockner, K. and Ward, J.V. 2002. The fauna of dynamic riverine landscapes. **Freshwater Biology** 47: 661-677. Invited paper.

58. Robinson, C.T., Tockner, K. and Burgherr, P. 2002. Seasonal patterns in macroinvertebrate drift and seston transport in streams of an alpine glacial flood plain. **Freshwater Biology** 47: 985-993.
59. Van der Nat, D., Tockner, K., Edwards, P.J. and Ward, J.V. 2002. Quantification of large woody debris in a large floodplain river: an area-based approach using differential GPS and GIS. **Verh. Internat. Verein. Limnol.** 28: 332-335.
60. Van der Nat, D., Schmidt, A., Tockner, K., Edwards, P.J. and Ward, J.V. 2002. Inundation dynamics in braided floodplains. **Ecosystems** 5: 636-647.
61. Ward, J.V., Robinson, C.R. and Tockner, K. 2002. Applicability of ecological theory to riverine ecosystems. **Internationale Vereinigung für Theoretische und Angewandte Limnologie.** 28: 443-450.
62. Ward, J.V., Tockner, K., Arscott, D.B. and Claret, C. 2002. Riverine landscape diversity. **Freshwater Biology** 47: 517-539. Invited paper.
63. Ward, J.V., F. Malard and K. Tockner. 2002. Landscape ecology: a framework for integrating pattern and process in river corridors. **Landscape Ecology** 17: 35-45. Invited paper.

2001

64. Arscott, D.B., Tockner, K. and Ward, J.V. 2001. Thermal heterogeneity along a braided floodplain river (Tagliamento River, northeastern Italy). **Canadian Journal of Fisheries and Aquatic Sciences** 58: 2359-2373.
65. Gurnell, A.M., Petts, G.E. , Hannah, D.M. , Smith, B.P.G., Edwards, P.J., Kollmann, J. , Ward, J.V. and Tockner, K. 2001. Island formation along the gravel-bed Fiume Tagliamento, Italy. **Earth Surface Processes and Landforms** 26: 31-62.
66. Ward, J.V. and Tockner, K. 2001. Biodiversity: Toward a unifying theme for river ecology. **Freshwater Biology** 46: 807-819. Invited paper.
67. Ward, J.V., Tockner, K., Uehlinger, U. and Malard, F. 2001. Understanding natural patterns and processes in river corridors as the basis for effective river restoration. **Regulated Rivers**: 17: 311-323.

2000

68. Tockner, K., Baumgartner, C., Schiemer, F. and Ward, J.V. 2000. Biodiversity of a Danubian flood plain: structural, functional and compositional aspects. In: Gopal, B., W. Junk and J.A. Davies (Eds.), **Biodiversity in Wetlands: Assessment, Function and Conservation**, Vol. 1, pp. 141-159. Buckhyus Publ. Leiden.
69. Tockner, K., Malard, F. and Ward, J.V. 2000. An extension of the flood pulse concept. **Hydrological Processes** 14: 2861-2883. Invited paper.
70. Arscott, D.B., Tockner, K. and Ward, J.V. 2000. Aquatic habitat structure and diversity along the corridor of an Alpine floodplain river (The Fiume Tagliamento). **Arch. Hydrobiol.** 149: 679-704.
71. Gurnell, A. M., Petts, G. E., Harris, N., Ward, J. V., Tockner, K., Edwards, P.J. and Kollmann, J. 2000. Large wood retention in river channels: The case of the Fiume Tagliamento, Italy. **Earth Surface Processes and Landforms** 25: 255-275.

72. Gurnell, A.M., Petts, G.M., Hannah, D.M., Smith, B.P.G., Edwards, P.J., Kollmann, J., Ward, J.V. and Tockner, K. 2000. Wood storage within the active zone of a large European gravel-bed river. **Geomorphology** 34: 55-72.
73. Klein, B. and Tockner, K. 2000. Biodiversity in alluvial springs of a glacial flood plain (Val Roseg, Switzerland). **Internationale Vereinigung für Theoretische und Angewandte Limnologie**. 27: 704-710.
74. Malard, F., Tockner, K. and Ward, J.V. 2000. A landscape-level analysis of physico-chemical heterogeneity in a glacial flood plain. **Landscape Ecology** 15: 679-695.
75. Petts, G.E., Gurnell, A.M., Gerrard, A.J., Hannah, D.M., Hansford, B., Morrissey, I., Edwards, P.J., Kollmann, J., Ward, J.V., Tockner, K. and Smith, B.P.G. 2000. Longitudinal variations in exposed riverine sediments: a context for the development of vegetated islands along the Fiume Tagliamento, Italy. **Aquatic Conservation: Marine and Freshwater Ecosystems** 10: 249-266.
76. Ward, J. V., K. Tockner, P. J. Edwards, J. Kollmann, G. Bretschko, A. M. Gurnell, G. E. Petts and B. Rossaro. 2000. Potential role of island dynamics in river ecosystems. **Verh.Internat.Verein.Limnol.** 27: 2582-2585.

1999

77. Tockner, K., F. Schiemer, C. Baumgartner, G. Kum, E. Weigand, I. Zweimüller and J.V. Ward. 1999. The Danube restoration project: Species diversity along habitat gradients in the floodplain system. **Regulated Rivers** 15: 245-258.
78. Tockner, K. and Ward, J.V. 1999. Biodiversity along riparian corridors. **Arch.Hydrobiol. Suppl.** 115: 293-310.
79. Tockner, K., D. Pennetzdorfer, N. Reiner, F. Schiemer and J.V. Ward. 1999. Hydrological connectivity and the exchange of organic matter and nutrients in a dynamic river-floodplain system (Danube, Austria). **Freshwater Biology** 41: 521-535.
80. Edwards, P.J., Kollmann, J., Gurnell, A.M., Petts, G.E., Tockner, K. and Ward, J. V. 1999. A conceptual model of vegetation dynamics on gravel bars of a large Alpine river. **Wetlands Ecology and Management** 7: 141-153.
81. Edwards, P.E., Kollmann, J., Tockner, K. and Ward, J.V. 1999. The role of island dynamics in the maintenance of biodiversity in an Alpine river system. **Bulletin of the Geobotanical Institute ETH** 65: 73-86.
82. Kollmann, J., Vieli, M., Edwards, P.E., Tockner, K., Ward, J.V. 1999. Interactions between vegetation development and island formation in the Alpine river Tagliamento. **Applied Vegetation Science** 2: 25-36.
83. Malard, F., K. Tockner, and J.V. Ward. 1999. Shifting dominance of subcatchment water sources and flow paths in a glacial flood plain (Val Roseg, Switzerland). **Arctic, Antarctic and Alpine Research** 31: 114-129.
84. Schiemer, F., C. Baumgartner and K. Tockner. 1999. The Danube restoration project: conceptual framework, monitoring program and predictions on hydrologically controlled changes. **Regulated Rivers** 15: 231-244.
85. Ward, J. V., K. Tockner, P. J. Edwards, J. Kollmann, G. Bretschko, A. M. Gurnell, G. E. Petts and B. Rossaro. 1999. A reference river in the Alps: The Fiume Tagliamento. **Regulated Rivers** 15: 63-75.

86. Ward, J. V., F. Malard, K. Tockner and U. Uehlinger. 1999. Influence of ground water on surface water conditions in a glacial flood plain of the Swiss Alps. **Hydrol. Proc.** 13: 277-293. Invited paper.
87. Ward, J.V., K. Tockner and F. Schiemer. 1999. Biodiversity of floodplain river ecosystems: ecotones and connectivity. **Regulated Rivers** 15: 125-139. Invited paper.

1998

88. Tockner, K., F. Schiemer and J. V. Ward. 1998. Conservation by restoration: the management concept for a river-floodplain system on the Danube River in Austria. **Aquatic Conservation** 8: 71-86.
89. Ward, J.V., P. Burgherr, M.O. Gessner, F. Malard, C.T. Robinson, K. Tockner, U. Uehlinger and R. Zah. 1998. The Val Roseg Project: habitat heterogeneity and connectivity gradients in a glacial floodplain system. pp. 425-432. In K. Kovar, U. Tappeiner, N.E. Peters and R.G. Craig (Eds) **Hydrology, Water Resources and Ecology in Headwaters**. IAHS Press, Wallingford, UK.

1997

90. Tockner, K. and J.A. Waringer. 1997. Measuring drift during a receding flood: results from an Austrian mountain brook (Ritrodal-Lunz). **International Revue of Hydrobiology**. 82: 1-13.
91. Tockner, K. and F. Schiemer. 1997. Ecological aspects of the restoration strategy for a river-floodplain system on the Danube River in Austria. **Global Ecology and Biogeography Letters**. 6: 321-329.
92. Tockner, K., F. Malard, P. Burgherr, C. T. Robinson, U. Uehlinger, R. Zah and J. V. Ward. 1997. Physico-chemical characterization of channel types in a glacial floodplain ecosystem (Val Roseg, Switzerland). **Arch. Hydrobiol.** 140: 433-463.

1996

93. Tockner, K. 1996. Colonization experiments for biomonitoring riparian communities of a large regulated river, the Danube (Austria). **Archiv für Hydrobiologie Supplement** 113: 433-442.
94. Tockner, K. and G. Bretschko. 1996. Spatial distribution of particulate organic matter (POM) and benthic invertebrates in a river-floodplain transect (Danube, Austria): importance of hydrological connectivity. **Archiv für Hydrobiologie Supplement**. 115: 11-27.

III. Other Publications**Special Feature**

34. Tockner, K. and Peter, A. (Eds) 2003. Totholz und Schwemmgut. Wasser Energie Luft 95: 352-374.

2006 and In press

33. Tockner, K. 2006. Revitalisierungen mit ökologischen Indikatoren bewerten. Eawag News 61d: 15-18.
32. Trottmann, N., S.D. Langhans and K. Tockner. 2006. Schwemmgut als Ausbreitungsmedium – das Innenleben eines unterschätzten Naturstoffs. Wasser, Energie, Luft..

2005

31. Tockner, K. 2005. Linking pattern and processes along river corridors. In G.E. Petts and B. Kennedy (eds) Emerging concepts for integrating human and water needs in river basin management. pp.14-20. Birmingham, UK.

2004

30. Tockner, K., U. Karaus, A. Paetzold and S. Blaser. 2004. Ökologischer Zustand der Rhone: Benthische Evertebraten und Uferfauna. wasser, energie, luft. 96: 315-317

2003

29. Tockner, K. and Peter, A. 2003. Einführung. Wasser Energie Luft 95: 352.
28. Tockner, K. and Langhans, S. 2003. Die ökologische Bedeutung des Schwemmutes. Wasser Energie Luft 95: 353-354.
27. Tockner, K. 2003. „Fließgewässer, Seen und Feuchtgebiete“. In: Wissenschaftliche Grundlagen einer Biodiversitätsstrategie für die Schweiz. Forum Biodiversität Schweiz. In Press.
26. Tockner, K. 2003. "König" der Alpenflüsse vor seinem Ende? Natur und Land 89: 28-29.
25. Tockner, K. 2003. The Tagliamento River: an ecosystem of European importance. FBA News 22: 6.

2002

24. Tockner, K. 2002. Fiume Tagliamento: Un'eridatá friulana. Pense and Maravee.
23. Tockner, K. and Peter, A. 2002. Totholz spielt im Ökosystem der Gewässer eine wichtige Rolle. Kommunalmagazin 10/2002: 31.
22. Tockner, K. 2002. Ausgedehnte Wildflusslandschaft durch Hochwasser bedroht. Garten + Landschaft 12: 42.
21. Tockner, K., Paetzold, A. and Karaus, U. 2002. Leben in der Flusssdynamik zwischen Trockenfallen und Hochwasser. In: Rundgespräche der Kommission für Ökologie Bd. 24. Pfeil, München.
20. Tockner, K. Uehlinger, U. and F. Malard 2002. Habitat dynamics in the Val Roseg flood plain. EAWAG-News 54e: 14-15.

19. Klaus, I., Baumgartner, C. and K. Tockner 2002. Die Wildflusslandschaft des Tagliamento (Italien, Friaul) als Lebensraum einer artenreichen Amphibiengesellschaft. *Z. Feldherpetologie* 8: 21-30.
18. Burgherr, P., Hieber, M., Klein, B., Monaghan, M.T., Robinson, C.T. and Tockner, K. 2002. Biodiversity of zoobenthos in Alpine streams. The Val Roseg. *EAWAG-News* 54e: 22-23.
17. Uehlinger, U., K. Tockner and F. Malard 2002. Ecological windows in glacial stream ecosystems. *EAWAG-News* 54e: 20-21.
16. Uehlinger, U., F. Malard and K. Tockner 2002. Val Roseg: a glacial floodplain in the Swiss Alps. *EAWAG-News* 54e: 12-13.

2001

15. Tockner, K., J. V. Ward, P. J. Edwards, J. Kollmann, A. M. Gurnell and G. E. Petts. 2001. Der Tagliamento (Norditalien): Eine Wildflussaue als Modellökosystem für den Alpenraum. Pp. 25-34. Laufener Seminarbeitrag. Bayer. Akad. für Naturschutz und Landschaftspflege, Laufen/Salzach.

1999

14. Tockner, K., H. Wintersberger and C. Baumgartner. 1999. Benthic macroinvertebrates in a Danubian floodplain (Regelsbrunner Aue, Austria). *Verh. Zool. Bot. Ges. (German)*.
13. Tockner, K. 1999. Invertebrates in Freshwater Wetlands in North America. *Freshwater Biology (Book Review)*.
12. Tockner, K. 1999. Tropical Asian streams. *Arch. Hydrobiol. (Book Review)*.
11. Ward, J.V., K. Tockner and U. Uehlinger 1999. Kenntnis der natürlichen Prozesse in Flusskorridoren als Grundlage für das Management von Ökosystemen p. 56-60. In: W.Geller (ed), *River Basin Management – Challenge to Research*. UFZ-Report No. 31.
10. Ward, J.V., K. Tockner and U. Uehlinger 1999. Understanding natural processes in river corridors as the basis for ecosystem management. p. 51-56. In: W.Geller (ed), *River Basin Management – Challenge to Research*. UFZ-Report No. 31.
9. Ward, J.V., K. Tockner, F. Malard and J.V. Ward 1999. Landscape ecology integrates pattern and process in river corridors, p. 97-102 In: J.A. Wiens and M.R. Moss (Ed.), *Issues in Landscape Ecology*. Pioneer Press, Greeley, Colorado, USA.

1998

8. Tockner, K., F. Schiemer and J.V. Ward. 1998. The restoration concept for a river-floodplain system on the Danube River in Austria. In: Hansen, H.O. and B.L. Madsen. (Eds) *River Restoration '96 - Session Lectures Proceedings*, National Environmental Research Institute, Denmark, 199-204.

1997

7. Schiemer, F., K. Tockner and C. Baumgartner 1997. Restoration of floodplains: The Danube Restoration Programme. *Schriftenreihe des Bundesamtes für Wasserwirtschaft* 4: 206-224 (German).

1995

- 6 Weigelhofer, G., K. Tockner and E. Weigand 1995. Decomposition of *Fagus sylvatica* L. in astatic and permanent stretches of the Fischbach (Sengsengebirge, Upper Austria). Jber. Biol. Stn. Lunz 15: 55-60 (German).

1990-1993

5. Tockner, K. 1993. Ecology of a karstic river ('Hinterer Rettenbach', Sengsengebirge): Development of a monitoring programme and first results. Die Höhle 42: 131-140 (German).
4. Tockner, K., M. Katzmann and G. Hadl 1992. The colonization of consolidated shoreline areas in impounded, regulated and free-flowing sections of the Danube (Impoundment 'Altenwörth' and 'Wiener Donaukanal', Austria). DGL (Konstanz): 445-449 (German).
3. Tockner, K. 1991. Riprap: an artificial biotope (impounded area of the River Danube, Altenwörth, - Austria). Verh. Internat. Verein. Limnol. 24: 1953-1956.
2. Tockner, K. 1990. Invertebrates of the banks of the river - the riprap. Wasser und Abwasser Suppl 2/90: 55-57.
1. Tockner, K. 1990. Impacts of floods on the drift in a small mountain brook (Oberer Seebach). Jber. Biol. Stn Lunz 5: 77-97 (German).

Actual Teaching Activities

ETH Zürich:

Biodiversity of Aquatic Ecosystems (Lecture: 8 hrs)

Management of Aquatic Ecosystems (Lecture/Seminar: 24 hrs)

Wetland Ecology (Lecture/Excursion: 21 hrs)

Integrated Project for Environmental Science students. Field and laboratory course (70 hrs)

Ecology and Systematic of Aquatic Invertebrates. (Lecture/course: 14 hrs)

Final examinations for Diploma students (2-3 students per year)

University of Vienna

International Postgraduate Course for Limnology (UNESCO): Floodplain Ecology

Guest Lecturer Univ. Basel (2004) Floodplain Ecology

Fundamentals of Ecosystem Ecology (FEE-course at IES) (2005)

International Water Management Course (IWMC) (2003, 2004)

ETH (2000-2003) River Restoration

Tohoku University (Sendai, Japan): Guest Lecturer on river ecology (10 hrs, 2002)

EAWAG-PEAK Courses

Principal leader of taxonomy courses on Plecoptera, Trichoptera, Chironomidae and Hydracarina (1998-2000)

Presentation at PEAK Course "Minimum Flow Requirements"

Recent and Present Members of the Research Group

Postdoctoral researcher and guest scientists

Dr. Keigo Nakamura. Restoration ecology (PWRI, Tskuba, Japan, Sabbatical visitor, 2004/2005)

Dr. Chihiro Yoshimura. FPOM dynamics. (Univ. of Tokyo, Japan, JSPS, 2003/2004)

Dr. Vicenc Acuna. Metabolism in rivers (Univ. Barcelona; Marie Currie PostDoc Fellowship; starting in 2007)

Dr. Mary Harner. Below ground dynamics. (University of New Mexico, June/July 2006)

PhD students

1. David Arscott (finished 2001) Habitat heterogeneity and aquatic invertebrates along an Alpine floodplain river (ETH-TH-project, ETH)
2. Dimitry van der Nat (finished 2002) Ecosystem processes in the dynamic Tagliamento River (ETH-TH-project, ETH)
3. Ute Karaus (finished 2004) Ecology of lateral aquatic habitats along river corridors (ETH-TH-project, ETH)
4. Achim Paetzold (finished 2004) Life at the edge – aquatic and terrestrial interactions along river corridors (Rhone-Thur Research Project, ETH)
5. Chihiro Yoshimuro (1 Oct. 2000 – 30 Sept. 2001) Shoreline communities in natural and impacted floodplain systems (University of Tohoku, Japan, together with Prof. T. Omura)
6. Simone Langhans (since 1 Oct. 2002) Inundation dynamics and floodplain processes (TempQsim-EU-project, ETH)
7. Michael Döring (since 1. Jan. 2003) Inundation dynamics and floodplain processes (TempQsim-EU-project, together with Dr. U. Uehlinger, ETH)
8. Lukas Indermaur (since 1 Sept. 2004) Metapopulation dynamics of amphibians in dynamic and complex landscapes (MAVA-foundation, ETH).
9. Joana Rosada (Univ. Evora, Pt; since Oct. 2004) Ecology of ephemeral streams (Portugeses National Foundation; together with Dr. Mauela Morais Univ. Evora)
10. Alicia Arrigoni (March 2005 until April 2006) Ecosystem processes in pulsing systems (tidal marshes and riverine floodplains)(ETH)

Master students

1. Doris Pennetzdorfer (1997) Spatial and temporal sediment dynamics in a Danubian floodplain (Univ. Vienna)
2. Birgit Klein (1998) Physico-chemical and biological characterization of high-alpine springs (Val Roseg, Switzerland) (Univ. Giesen)
3. Christian Rust (1998) The ecological importance of islands for the carabid community (Tagliamento, Italy) (ETH)
4. Barbara Keller (1999) Structural and species diversity of two headwater floodplains of the Tagliamento (Italy) (ETH)

5. Sonja Ketterer (1999) Shoreline carabid (Insecta, Coleoptera) communities (Tagliamento, Italy) (ETH)
6. Iris Klaus (2000) Amphibia in dynamic floodplains (Tagliamento, Italy) (ETH)
7. Simone Langhans (2000) The ecological importance of floating organic debris (ETH)
8. Andreas Schmidt (2000) Inundation patterns in dynamic floodplains (Tagliamento, Italy) (Postgraduate thesis, ETH)
9. Vivianne Uhlmann (2001) Aquatic shoreline communities in regulated and natural rivers (ETH)
10. Laurenz Alder (2001/2002) Floodplain ponds: distribution, dynamics and the role for the fish fauna (together with Dr. A. Peter; ETH)
11. Helene Baur (2002) Habitat diversity and benthic communities along river corridors. (ETH)
12. Jaqueline Bernet (2002) Energetic linkage between aquatic and terrestrial communities (ETH)
13. Manabu Fujii (2002) FPOM dynamics in streams (Tohoku University, Sendai, Japan, together with Prof. T. Omura)
14. Andreas Schlaepfer (2003) Floodplain expansion and contraction and ecosystem processes (together with Dr. U. Uehlinger, ETH)
15. Daniel Rotach (2003) Floodplain expansion and contraction and ecosystem processes (together with Dr. U. Uehlinger, ETH)
16. Slavica Katulic (2003) Small mammals and large wood in floodplains (ETH)
17. Nikolaus Trottmann (2004) Dispersal of terrestrial organism by floating organic matter (ETH)
18. Thekla Ackermann (2005) Sediment respiration and floodplain inundation (ETH, together with Dr. U. Uehlinger)
19. Thomas Winzeler (2005) Amphibian metapopulation dynamics (ETH)
20. Fabian Peter (2005/2006) Fish diversity patterns in European rivers (Univ. Basel)
21. Janina Pohl (2006) Ecology of gravel bars. (Univ. Karlsruhe)
22. Yvonne Kunz (2006) Ecology of gravel bars (ETH)
23. Rita Gnehm (2006) Sound of rivers (ETH)
24. Andi Gantenbein (2006) Sound of rivers (ETH)

Technician

Simone Blaser (30 %)

Other temporary group members

Joana Rosada (2004)

Benjamin Plüss (2004)

Janine Rüegg (2005)

Erika van Daalen (2005)

Fabia Moret (2005)

International Research Collaboration

Institute of Ecosystem Studies (IES, NY, USA, Dr. S. Findlay and others)

University of Tokyo (Prof. H. Furumai)

University of Montana (Biological Station Flathead Lake) (Prof. J.A. Stanford, Dr. M. Lorang)

University of Birmingham (Prof. G.E. Petts)

King's College at University of London (Prof. A.M. Gurnell)

University of Vienna (Prof. F. Schiemer, Dr. T. Hein)

University of New Mexico (Prof. C.N. Dahm)

University of Lyon, CNRS (Dr. F. Malard)

University of Hannover (Dr. J. Froebrich)

University of Evora (Dr. M. Morais)

Alluvial Zone National Park Danube (Dr. C. Baumgartner)

University of Bern (Prof. J. Zettel)

Geobotanical Institute at ETH (Prof. P.J. Edwards)

Several universities and research institutes in the Mediterranean region (EU-project)

Awards and professional recognitions

- 2005 **ETH Silver Medal** for best PhD thesis in its category for Achim Paetzold.
Award to PhD student Michael Döring from the North American Benthological Society in 2005 (**Peterson Fund**)
Award to PhD student Simone Langhans from the European Society for Freshwater Sciences in Krakow/Poland for top presentation
- 2004 Klement Tockner has been identified as the most cited freshwater ecologist in Central Europe (A, D, CH) and one of the **most cited freshwater ecologists** in Europe (http://www.biotech-europe.de/rubric/ranking/R04_03/start.html)
Award to PhD student Simone Langhans from the North American Benthological Society in 2004 (**Peterson Fund**)
- 2003 Award to PhD student Achim Paetzold from the North American Benthological Society in 2003 (**Peterson Fund**)
Award to PhD student Achim Paetzold in 2003 (**best Student presentation at the ZOEK Conference, ETHZ**)
“The flood pulse concept in river-flood plain interactions” has been selected as a **fast moving front** in Environment/Ecology by ISI (<http://www.esi-topics.com/fmf/january2003.html>)
- 2002 The Publication “The extension of the Flood Pulse Concept” was selected by ISI as a **fast breaking article** in the category ecology/environment in Oct. 2002. (<http://www.esi-topics.com/fbp/comments/october02-KlementTockner.html>)
The Publication “The extension of the Flood Pulse Concept” was listed by ISI as one of the top **20 performed articles** in the category Environment/Ecology over the past decade.
Award to PhD student Achim Paetzold from the North American Benthological Society in 2002 (**Best student presentation in the category Applied Science**)
Research grant: **Japanese Society for the Promotion of Science** (JSPS; (March and April 2002)
- 1999 **Reinhard Liepolt Price for Danube Research** (Austrian National Committee)
- Since 1999 **Several honoraria** for successful teaching activities and for appreciated activities at EAWAG (e.g. 1st Int. Symposium on Riverine Landscapes)
Invitation as **Keynote Lectures** at various international conferences
Regular invitation to act as **session chair** and **judge** of student presentations at international conferences
Invitation to serve as **Members of Scientific Committees** of International Conferences and Research Associations
Invitation to join several scientific journals as **Subject or Associate Editors**

Professional Activities (since 1996)

Editorial Activities

Aquatic Sciences: Editor-in-Chief (since 2006)

Ecosystems: Member of the **Editorial Board** (since 2006)

Aquatic Sciences: Member of the **Editorial Board** (2002-2006)

Archiv Hydrobiol. Suppl. Large Rivers: Member of the **Editorial Board** (since 2003)

Freshwater Biology: Guest Editor of a Special Issue (Riverine Landscapes, 2002)

Elsevier: **Book Editor** (Rivers of Europe, forthcoming)

Reviewer for >20 international journals including Ecology, Ecological Application, Global Change Biology, Limnology and Oceanography, etc.

Reviewer for books and book chapters

Reviewer for the Swiss Science Foundation, Austrian Science Foundation, Science Foundation of the Netherlands, EU research fund

Reviewer for a DFG SFB

Scientific Committees

Forum Biodiversity Switzerland: Member of the Executive Committee (since 2005)

The Nature Conservancy (TNC, USA): Member of the international advisory committee on the "**Great River Center for Conservation and Learning**" (since 2003)

North American Benthological Society (NABS): Member of the Executive Committee (2002-2005)

Swiss Society of Hydrology and Limnology (SGHL): Member of the Executive Committee (1999-2004)

International River Society: Member of the Steering Committee (since 2003)

Museum of Natural History, NY, Biodiversity Conference 2005. Content Advisor

DIVERSITAS: Adhoc Committee Member of the International Task Force Group on Freshwater Biodiversity (2003)

1st Int. Conference on Riverine Landscapes: Member of the Scientific Committee (2001)

2nd Int. Conference on Riverine Landscapes: Member of the Scientific Committee (2004)

River Bottom 6: Member of the Scientific Committee (Brno, 2005)

Biodiversity of ponds: Member of the expert committee of the project PLOCH (LEBA, Univ. of Geneva and BUWAL; 1999)

Principal Organiser of Workshops and Conferences

- 1st Int. Conference on Riverine Landscapes:** Principal organiser (2001)
- River Restoration:** Principal organiser of a conference at ETH (1999, 280 participants)
- Large Wood:** Principal organiser of a conference at ETH (2002, 150 participants)
- Floodplains:** Principal organiser of a conference at ETH (2003, 150 participants)
- INTECOL-2004:** Co-organizer of a special session
- Workshops:** Several small workshops on Tagliamento Research Project

Other Activities

Member of several local organising committees (e.g. ICEF, IWMC)

Public Relationship

Numerous TV, radio, and newspaper **interviews**, including DRS, ORF, RAI, BBC, NZZ, **Time Magazine** (<http://www.time.com/time/europe/magazine/printout/0,13155,901020826-338594,00.html>), Die Presse, Der Standard, Basler Zeitung, Sonntagszeitung, Tagesanzeiger,

Pro Tagliamento – Pro Friuli (started in Nov. 2002)

Tagliamento-Project presented in **SF1-MTW** and in **SAT 1**

Tagliamento-Project presented in a TV-documentation by **ARTE**

Professional Affiliations

ASLO: American Society for Limnology and Oceanography

NABS: North American Benthological Society

ESA: Ecological Society of America

SIL: International Limnological Society

IAD: International Association for Danube Research

SWS: Society of Wetland Scientists

AIBS: American Institute of Biological Sciences

SGHL: Swiss Society for Hydrology and Limnology

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Research Grants (since 1999)

Period	Project	SFR
Pending	From Waste to Value (Velux Foundation; C. Zurbrügg, Klement Tockner and Stefan Diener)	273,000
Pending	Sound of Rivers (Mava Foundation, K. Tockner, K. Heutschi)	170,000
Pending	Hydrological processes , riparian tree growth and the characteristics of riparian zones (NERC; PI: A.M. Gurnell, co-PI: Klement Tockner)	120,000
2007-2009	Developing a stream metabolism model (EU-Marie-Curie Postdoc Grant)	270,000
2005-2006	Hydrological adequacy of river-tidal marsh interactions (Hudson River, NY) Polgar foundation and Mellon foundation (USA)	11,000
2005-2008	Linking aquatic and terrestrial arthropod communities in temporary streams. PhD grant (Portugese Science Foundation)(with Dr. M. Morais, Univ. Evora, PT).	100,000
2006	The “ Sound of Rivers Project ”. Eawag Research Council	50,500
2005-2008	Metapopulation dynamics of amphibians in complex and dynamic landscapes (MAVA-Foundation; Klement Tockner and Lukas Indermaur)	205,000
2004-2006	NERC-grant (Project MC04/20): Hydro-ecological Dynamics of large floodplain rivers: Fiume Tagliamento, NE Italy (together with GE Petts, AM Gurnell and M. Lorang)	17,000
2003-2006	EU-projctet TempQsim: Evaluation and improvement of water quality models for application to temporary waters in Southern European catchments. Total: 3,5 mill EUR (Member of the steering committee and WP leader)	408,000
2002-2006	Shoreline processes as indicators of the ecological integrity of river-floodplain systems. Rhone-Thur Project (Wsl, Eawag, Eth, and Federal Agencies)	120,000
1999-2004	The role of island dynamics in the maintenance of biodiversity in an Alpine river system (ETH-Forschungskommission (with Profs P.J. Edwards, J. Kollmann and J.V.Ward).	430,000
	Total (incl. pending)	2,174,500

Period	Additional Funds	SFR
2002	Tagliamento-Project: Supplementary fund. ETH-Forschungskommission	10,000
2002	Riverscape: Seed money (ETH) for development of an EU-proposal)	19,000
2002	1st Interantional Conference on Riverine Landscapes. from ETH, EAWAG, SNF)	50,000
2001	Tagliamento Project: Supplementary fund. ETH-Forschungskommission	10,000
2002	JSPS Grant: Japan Society for the Promotion of Science (JSPS) to visit the Tohoku University as a guest scientist (March-April 2002).	12,000
1999	Tagliamento Project: Seed money (ETH).	16,000
2001	Grant by the University of Montana: Visit of the Montana State University (May 2001).	3,000
	Total	120,000

Recent and forthcoming Invited Keynote Lectures:

- 2006** Tockner, K. **Riverine Landscape Ecology – Linking Patterns and Processes at Different Scales.** Opening Conference of the Launch of the Catchment Science Center (Univ. Sheffield and EPA). Sheffield (UK), Feb. 2006.
- Tockner, K., Uehlinger, U., Gonser, U., Doering, M., Indermaur, L., Langhans, S. **Environmental heterogeneity as a controller of biodiversity and ecosystem processes.** TISORS and Large Wood Conference. Stirling, UK, Aug. 2006.
- Tockner, K. **Opening address of the 10th Anniversary of the Japanese Society of Ecology and Civil Engineering.** Tokyo, 1 Oct. 2006.
- 2005** Tockner K. **The shifting habitat mosaic in gravel-bed rivers.** 6th Gravel-bed River Conference. Lienz, Austria, Sept. 2005.
- Tockner, K. **Disturbance cascading along river corridors.** Invitation as a Lecturer at the **Gordon Conference.** Maine, USA, July 2005.
- Tockner K. **What creates biodiversity in riverine landscapes: Lessons from the Tagliamento project.** Keynote presentation. River Landscape Conference (Reutte, A), Sept. 2005.
- 2004** Tockner, K. and Stanford, J.A. **Defining reference conditions for river restoration projects.** INTECOL Conference. Utrecht (NL), July 2004.
- Tockner, K., Peter, A., Nutter, S. and Paetzold, A. **Indicators for assessing restoration projects.** 2nd Int. Conference on Riverine Landscapes. Umea (S), Aug. 2004.
- Tockner, K. and Karaus, U. **Ecology of parafluvial ponds.** European Pond workshop, Geneva. Switzerland, Oct. 2004.
- 2003** Tockner, K. and Stanford, J.A. **Riverine floodplains: Present state and future trends.** Conference on the Environmental Future of Aquatic Ecosystems (ICEF), Zürich (CH), March 2003.
- Tockner, K. Zettel, J. and Claret, C. **Ecology of braided rivers.** Braided Rivers Conference, Birmingham (UK), April 2003.
- Tockner, K. **Linking aquatic and terrestrial biodiversity in riverine landscapes.** Symposium of the European Freshwater Society, Edinburgh, July 2003.
- Tockner, K. **Patterns and processes in river corridors.** WOT workshop 'Emerging concepts for integrating human and environmental water needs in river basin management'. Birmingham (UK), Sept. 2003.
- Tockner, K. **Linking aquatic and terrestrial ecology at the catchment scale.** Marilaun Workshop. 'Long-term development in fluvial ecology'. Lunz/See (A), Dec. 2003.

Invited presentations and Contributions at Conferences (since 1996)

Invited Seminar Presentations (1996-2006)

1. Tockner, K. Hochwasser und Ökologie. Eine ökologische Herausforderung. TU Braunschweig. June 2006.
2. Tockner, K. Ecosystem processes and biodiversity in pulsing systems. Institute of Ecosystem Studies (IES). February 2005.
3. Tockner, K. Riverine Floodplains: Ecosystems of strategic importance. ETHZ, May 2004.
4. Tockner, K. Linking aquatic and terrestrial ecosystems. Institute of Ecosystem Studies (IES). October 2004.
5. Tockner, K. Ecology of braided rivers. Stroud Water Research Center. Invited presentation. November 2004.
6. Tockner, K. Fiume Tagliamento: A model system of European importance. Workshop of the Italian River Restoration Society (CIRF), S. Daniele, Italy, Juli 2004. Invited presentation.
7. Tockner, K. Developing indicators to assess river restoration projects. Univ. New Mexico. Invited presentation. November 2004.
8. Tockner, K. Fliessgewässer im Spannungsfeld zwischen Ökologie und Gewässernutzung. Gastvorlesung an der Universität Basel (Nov. 2003).
9. Tockner, K. Biodiversität in Flussauen: Leben im Grenzbereich zwischen Land und Wasser. Mondsee, Institute of Limnology, Austrian Academy of Sciences. May 2002.
10. Tockner, K. Biodiversity and functional processes in river-floodplain ecosystem. Centre of Ecological Research, Kyoto University. April 2002.
11. Tockner, K. Restoration and management of river-floodplain systems. Water Environment Research Group, Public Works Research Institute (Tsukuba, Japan). April 2002. Tockner, K. River-floodplain systems: key areas for improving water quality and maintaining ecological integrity. University of Tokyo (Department of Urban Engineering). April 2002.
12. Ward, J.V. and Tockner, K. Linking ecology and hydrology in alluvial floodplains. European Geophysical Society Millennium Conference, Nice, France, April 2000.
13. Tockner, K. Ecology of Central European Flood Plains. Universität Innsbruck, April 1999.
14. Tockner, K. Floodplains as expanding and contracting ecosystems and why it matters. 3ème Cycle Romand en Sciences Biologiques, Fribourg, October 1999.
15. Tockner, K. Der Tagliamento: Ein Modellökosystem für den Alpenraum. ISAR-LIFE-Tagung. July 1999.

Invited presentations at conferences

16. Tockner, K. Findlay, S., Bade, D. and Judd, K. 2006. Pulsed events increase linkages between aquatic and terrestrial ecosystems. ASLO meeting, June 2006.
17. Karaus, U., Baur, H. and K. Tockner. Concave islands along river corridors. European Pond Workshop, Geneva. Invited Presentation. October 2004.
18. Peter, A., Woosley, S. and K. Tockner. Restoration and hydropeaking. 2nd International Conference on Riverine Landscapes, Sweden, August 2004

19. Paetzold, A. and K. Tockner. Ökologie von Flussufern. Jahrestagung der Schweizerischen Gesellschaft für Hydrologie und Limnologie (SGHL), La Chaud, September 2004
20. Trottmann, N. and K. Tockner. Schwemmgutdynamik entlang von Fließgewässern. Jahrestagung der Schweizerischen Gesellschaft für Hydrologie und Limnologie (SGHL), La Chaud, September 2004
21. Tockner, K. Linking aquatic and terrestrial ecology at the catchment scale. Marilaun Workshop. 'Long-term development in fluvial ecology'. Lunz/See (A), November 2003.
22. Tockner, K., Ward, J.V., Kollmann, J. and P.J. Edwards. Life on the edge. First International Symposium on Riverine Landscapes. Ascona, Switzerland. March 2001.
23. Tockner, K., Malard, F. and Ward, J.V. Floodplains as expanding and contracting ecosystems. River Bottom V, Lunz, Austria, June 2000.
24. Tockner, K., F. Schiemer and J. V. Ward. Connectivity and material transfer in a dynamic river-floodplain system. Lakes as Indicators for Anthropogenic Processes in the Catchment, Ascona, Switzerland, May 1998.
25. Tockner, K., F. Schiemer and J. V. Ward. Hydrological connectivity and the exchange of organic matter and nutrients in a dynamic river-floodplain system (Danube, Austria). Ecohydrology Workshop, Lodz. Poland, May 1998.
26. Ward, J.V., Malard, F., Tockner, K. and Uehlinger, U. Influence of ground water on surface water conditions in a glacial floodplain of the Swiss Alps. Symposium on Groundwater Dominated Rivers, Southampton UK, April 1997. Invited Lecture.

Other presentations at conferences

More than 90 oral and poster presentations at international conferences/workshops/scientific meetings between 1997 and 2006 (in average 10 presentations per year).